=> b reg
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STRUCTURE FILE UPDATES: 27 NOV 2007 HIGHEST RN 956075-61-9 DICTIONARY FILE UPDATES: 27 NOV 2007 HIGHEST RN 956075-61-9

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http://www.cas.org/support/stngen/stndoc/properties.html

=> d que sta 114 L12 STE

VAR G1=O/S VAR G2=8/9/12/13/15/16 NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

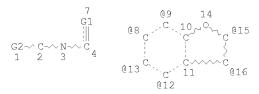
GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE L14 4856 SEA FILE=REGISTRY SSS FUL L12

100.0% PROCESSED 241811 ITERATIONS SEARCH TIME: 00.00.02

4856 ANSWERS

=> d que sta 123 L12 S1

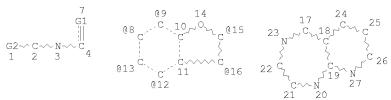


VAR G1=O/S VAR G2=8/9/12/13/15/16 NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE

L14 4856 SEA FILE=REGISTRY SSS FUL L12

L21



VAR G1=O/S VAR G2=8/9/12/13/15/16 NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE

L23 42 SEA FILE=REGISTRY SUB=L14 SSS FUL L21

100.0% PROCESSED 43 ITERATIONS 42 ANSWERS

SEARCH TIME: 00.00.01

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FILE COVERS 1907 - 28 Nov 2007 VOL 147 ISS 23 FILE LAST UPDATED: 27 Nov 2007 (20071127/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d bib abs hitstr 127 tot

L27 ANSMER 1 OF 5 HCAPLUS COPYRIGHT 2007 ACS ON STN
AN 2007:640830 HCAPLUS
D1 147:72815
TI Preparation of 3-heterocyclylacrylamide derivatives as FaBI protein inhibitors for treating bacterial infection
IN Pauls, Henry; Berman, Judd M.
PA Affinium Pharmacounticals, Inc., Can.
SO PCT Int. Appl., 199pp.
TO PATENT
LA ENGLISH TANDE TO PATENT TO PATENT TO PATENT TO PATENT TO PATENT NO. KIND DATE APPLICATION NO. DATE APPLICATION NO. 

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The title compds. (I; A = a monocyclic ring of 4-7 atoms containing 0-2 heteroatoms, a bicyclic ring of 8-12 atoms containing 0-4 heteroatoms or a monocyclic ring of 8-12 atoms containing 0-4 heteroatoms or a ring of the property of the property of the composition of the property of

L27 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2007 ACS on SIN (Continued)

941605-02-3 HCAPLUS
2-Propenamide, N-methyl-N-[(1R)-1-(3-methyl-2-benrofuranyl)ethyl]-3-(2,5,4,5-tetrahydro-4-oxo-1H-pyrido[2,3-b][1,4]diarepin-8-yl]-, (2E)- (CA TRDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

941605-58-9 HCAPLUS 2-Propenamide, 3-(7,8,9,9a,10,11-hexahydro-5H-pyrido[2,3-e]pyrrolo[1,2-a][1,4]diarepin-3-yl]-N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-, (2E)-, 2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 941605-57-8 CMF C25 H28 N4 02

Double bond geometry as shown.

(inerapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) prepared to pr CM 1 CRN 941604-32-6 CMF C25 H28 N4 O2 Absolute stereochemistry. Double bond geometry as shown. CM 2 CRN 76-05-1 CMF C2 H F3 02

RN 941604-88-2 HCAPLUS
CN 2-Propenanide, N-methyl-N-[(3-methyl-2-benrofuranyl)methyl]-3-(2,3,4,5-tetrahydro-4-oxo-1H-pyrido[2,3-b][1,4]diarepin-8-yl)-, (2E)- (CA INDEX NAME)

Double bond geometry as shown.

127 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2007 ACS on SIN (Continued)

CM 2 CRN 76-05-1 CMF C2 H F3 02

F-C-со2H

## 10 / 537747

ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on SIN 2007-84282 HCAPLUS 146:46229 HCAPLUS 146:46229 Preparation of heterocyclyl acrylamide compounds as Fabl inhibitors Manning, David Douglas; Decornez, Helene Yvonne; Surman, Matthew David; Martin, Fernando J. L.; Ramnauth, Jailall; Toro, Andras; Berman, Judd M.; Sampson, Peter; Pauls, Henry; Sarqent, Bruce Jeremy Affinium Pharmaceuticals, Inc., Can. Can. Pat. Appl., 232pp. CODEN: COXXEB Patent

LA FAN.	English CNT 1																	
	PATENT NO.				KIND		DATE			APPLICATION NO.					DATE			
PI	CA25 W020070 W020070	A1 A2 A3	A2 20070510			2005 2005			20050606 20050606									
		CN, GE, LC, NG, SL, ZA, AT,	CO, GH, LK, NI, SM, ZM, BE,	CR, GM, LR, NO, SY, ZW BG,	CU, HR, LS, NZ, TJ,	CZ, HU, LT, OM, TM,	AU, DE, ID, LU, PG, TN, CZ, NL,	DK, IL, LV, PH, TR,	DM, IN, MA, PL, TT,	DZ, IS, MD, PT, TZ,	EC, JP, MG, RO, UA,	EE, KE, MK, RU, UG,	EG, KG, MN, SC, US,	ES, KM, MW, SD, UZ, GB,	FI, KP, MX, SE, VC,	GB, KR, MZ, SG, VN,	GD, KZ, NA, SK, YU,	
	EP18 R:	KE, KZ, 2816 AT,	LS, MD, 7 BE,	MW, RU, BG,	MZ, TJ, A2 CH,	NA, TM,	GQ, SD, AP, 2007 CZ, MC,	SL, EA, 0905 DE,	SZ, EP,	TZ, OA 2005 EE,	UG, EP-0 ES,	ZM, 8585 FI,	ZW, 03 FR,	AM,	AZ, 2 GR,	BY, 0050 HU,	KG, 606 IE,	

IS, IT, LT, HR, MK, YU PRAI 2004US-576945P 2005WO-US19805 OS MARPAT 146:462291 GI 20040604 20050606

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

127 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on SIN

894851-89-9 HCAPLUS 2-Propenantde, N-methyl-N-[(3-propyl-2-benzofuranyl)methyl]-3-(2,3,4,5-ternalyd-3,3-dimethyl-2-oxo-lH-pyrido[2,3-e]-1,4-diazepin-7-yl)-, (2E)-(CA INDEX NAME)

Double bond geometry as shown.

 $894851-92-4 \quad RCAPLUS \\ 2-Propenamide, N=[(3-ethyl-2-benzofuranyl)methyl]-N-methyl-3-(2,3,4,5-tetrahydro-3,3-dimethyl-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, (2E)-(CA INDEX NAME)$ 

Double bond geometry as shown.

894851-97-9 HCAPLUS
2-Propenamide, N-methyl-N-((3-methyl-2-benrofuranyl)methyl)-3-(2,3,4,5-tetrahydro-2-oxo-1H-pyrido(2,3-e)-1,4-diazepin-7-yl)-, hydrochloride (1:1), (2E)- (CA INDEX MAME)

L27 ANSMER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued) Double bond geometry as shown.

894851-54-8 HCAPLUS 
2-Propenanide, 3-[985]-7, 8, 9, 9a, 10, 11-hexahydro-10-oxo-5H-pyrido[2, 3-e]pyrrolo[1, 2-a][1, 4]diazepin-3-y1]-M-methyl-M-[(3-methyl-2-benzofuranyl)methyl]-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+). Double bond geometry as shown.

• HCl

RN 894851-76-4 HCAPLUS
CN 2-Propenanide, N-methyl-N=[(3-methyl-2-benzofuranyl)methyl]-3-(1',2',4',5'tetrahydro-2'-oxospiro(cyclopentane-1,3'-[3H)pyrido(2,3-e](1,4)diazepin)7'-yl]-, (2E)- (CA INDEX NAME)

Double bond geometry as shown.

894851-82-2 HCAPLUS 2-Propenanide, N-[(3-ethyl-2-benzofuranyl)methyl]-N-methyl-3-(2,3,4,5-tetrahydro-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, (2E)- (CA INDEX

Double bond geometry as shown.

ANSWER 2 OF 5 KCAPLUS COPYRIGHT 2007 ACS on STN (Continued) 895237-57-7 BCAPLUS 2-Propensing (8, 3-1(98H) -7, 8, 9, 9a, 10, 11-hexahydro-10-oxo-5H-pyrido[2, 3-e]pyrrolo[1, 2-a][1, 4|diarepin-3-y1]-M-methyl-N-[(3-methyl-2-bencofurany)]nethyl-, (E2b)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-). Double bond geometry as shown.

709652-77-7P 894851-55-9P 894851-73-1P 894851-80-0P 894851-84-4P 894851-90-2P 894851-99-1P 894852-35-6P 894852-32-5P 894852-35-8P 894852-36-0P 894853-35-32-3P 895237-56-6P 895237-67-9P RL: PAC (Pharmacological activity; SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PMEP (Preparation); USES

(Uses) (preparation of heterocyclyl acrylamide compds. as Fabl inhibitors) 709652-77-7 HCAPLUS - 2-Propenanide, N-methyl-N-((3-methyl-2-benzofuranyl)methyl)-3-(2,3,4,5-tetrahydro-3,3-dimethyl-2-oxorlH-pyrido(2,3-e)-1,4-diarepin-7-yl)-, hydrochloride (1:1), (22)- (CA INDEX NAME)

Double bond geometry as shown.

● HCl

894851-55-9 RCAPLUS
2-Propenanide, 3-([948]-7,8,9,9a,10,11-hexahydro-10-oxo-5H-pyrido[2,3-e|pyrido],2-a|[1,4|diarepin-3-yl]-M-methyl-N-((3-methyl-2-benzofuranyl)methyl]-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-). Double bond geometry as shown.

127 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)

● HCl

 $\label{eq:continuous} 894851-73-1 $$ HCAPLUS $$ 2-Propenanide, N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-3-(1',2',4',5'-tetrahydro-2'-oxospiro[cyclopentane-1,3'-[3H]pyrido[2,3-e][1,4]diazepin]-7'-yl]-, hydrochloride (1:1), (2E)- (CA INDEX NAME)$ 

Double bond geometry as shown.

● HCl

894851-80-0 HCAPLUS
2-Propenanide, N=[(3-ehyl-2-benzofuranyl)methyl]-N-methyl-3-(2,3,4,5-tetrahydro-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

 $\begin{array}{lll} 894851-84-4 & HCAPLUS \\ 2-Propenanide, & N-methyl.-N-((3-propyl-2-benrofuranyl)methyl]-3-(2,3,4,5-texnalyto-3).3-dimethyl.-2-oxo-1H-pyrido[2,3-e]-1,4-dlazepin-7-yl)-, \\ hydrochloride (1:1), (2E)- (CA INDEX NAME) \\ \end{array}$ 

127 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on SIN

894852-32-5 HCAPLUS 2-Propenanide, N-methyl-N-[(2-methyl-3-benrofuranyl)methyl]-3-(2,3,4,5-tetrahydro-4-methyl-3-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl]-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

• HCl

 $894852-35-8 \ \ HCAPLUS \\ 2-Propenanide, N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-3-(2,3,4,5-ternahydro-4-methyl-3-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl]-, hydrochloride (1:1), (2E)- (CA INDEX NAME)$ 

894852-90-5 HCAPLUS
2-Propenanide, N-methyl-N-((3-methyl-2-benzofuranyl)methyl)-3-(2,3,4,5-ternalyd-0-2-oxc-4-phenyl-1H-pyrido(2,3-e)-1,4-diarepin-7-yl)-,hydrochloride (1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

127 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)

894851-90-2 RCAPLUS
2-Propenanide, N-([3-ethyl-2-benzofuranyl)methyl]-N-methyl-3-(2,3,4,5-terhaylor-3,3-dimethyl2-0xo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl)-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

● HCl

RN 894851-99-1 RCAPLUS
CN 2-Propenanide, N-methyl-N-[(3-methyl-2-benrofuranyl)methyl|-3-(2,3,4,5-tetrahydro-2-oxo-H-pyrido[2,3-e|-1,4-diazepin-7-yl)-, (2E)- (CA INDEX NAME)

Double bond geometry as shown.

894852-25-6 HCAPLUS
2-Propenamide, N-medtyl-N-[(3-methyl-2-benzofuranyl)methyl]-3-(2,3,4,5-tetrahydro-3-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

127 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on SIN

 $894853-53-3 \ \ HCAPLUS \\ 2-Propenantide, N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-3-[(25)-2,3,4,5-tetrahydro-2-methyl-3-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl]-,(2E)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)$ 

CM 1

CRN 894853-52-2 CMF C23 H24 N4 O3

Absolute stereochemistry. Double bond geometry as shown.

CRN 76-05-1 CMF C2 H F3 02

895237-56-6 HCAPLUS
2-Propenanide, 3-[(985]-7,8,9,9a,10,11-hexahydro-10-oxo-5H-pyrido[2,3-e]pyrrol0[1,2-a][1,4|dia:epin-3-yl]-N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-, (2E)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+). Double bond geometry as shown.

127 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)

895237-67-9 HCAPLUS 2-Propenamide, N-[(3-chloro-2-benzofuranyl)methyl]-N-methyl-3-(2,3,4,5-tetrahydro-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, (2E)- (CA INDEX

Double bond geometry as shown.

ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on SIN (Continued) preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent; USES (USES) (bactericide; compns. comprising multiple antibiotic agents and prepn. of heterocycle Fabl inhibitor; 709652-79-9 HCAPLUS - H

Double bond geometry as shown.

II

Double bond geometry as shown.

127 ANSMER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS ON SIN
AN 2006:636869 HCAPLUS
DN 145:103734
Il Compositions comprising multiple antibiotic agents including a FabI inhibitor, methods of using the same, and preparation of the heterocycle FabI inhibitors
FabI inhibitors
FabI inhibitors
A ffiling Phemaceuticals, Inc., Can.
SO CODEN: USXXCO
DEBN: USXXCO
D Patent
LA English
FAN.CNT 2
FAN.CNT 

The invention is directed to antibacterial compns. comprising an NADH (or NADDH)-dependent encyl-acyl carrier protein (ACP) reductase (Fabi. 1988) and the second of the s

L27 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on SIN

## • HCl

709651-48-9 HCAPLUS 
2-Propenanide, N-methyl-N-[(3-methyl-2-benrofuranyl)methyl]-3-(2,3,4,5-ternahyl-4-methyl-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl]-, monohydrochloride, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

# • HCl

709651-53-6 HCAPLUS 2-Propenanide, N-methyl-N-[(2-methyl-3-benzofuranyl)methyl]-3-(2,3,4,5-terrahydro-4-methyl-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, monohydrochloride, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown

709651-82-1 HCAPLUS 2-Propenanties, N-methyl,-N-((3-methyl-2-benrofuranyl)methyl)-3-[2,3,4,5-ternahyd--4-[3-(4-morpholinyl)propyl]-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl]-, monohydrochloride, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

127 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on SIN (Continued)

● HCl

709651-85-4 HCAPLUS 2-Propenanide, N-methyl,-N-[(2-methyl-3-benzofuranyl)methyl]-3-[2,3,4,5-tetralhyl-6-[-3-(4-morpholinyl)propyl]-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl]-, monohydrochloride, (2E)-9CI) (CA INDEX NAME)

• HCl

 $\begin{array}{lll} 709652-77-7 & HCAPLUS \\ 2-Propenanide, N-methyl-N-((3-methyl-2-benrofuranyl)methyl)-3-(2,3,4,5-texhalyd-3)-3-dimethyl-7-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl)-, hydrochloride (1:11, (2E)- (CA INDEX NAME) \\ \end{array}$ 

894851-54-8 HCAPLUS 2-Propenanide, 3-[945]-7,8,9,9a,10,11-hexahydro-10-oxo-5H-pyrido[2,3-e]pyrido[1,2-a][1,4]diarepin-3-yl]-M-methyl-N-[(3-methyl-2-benrofuranyl)methyl]-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+). Double bond geometry as shown.

127 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

894851-84-4 HCAPLUS 2-Propenantde, N-methyl-N-[(3-propyl-2-benrofuranyl)methyl]-3-(2,3,4,5-ternahyd-3,3-dimethyl-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl)-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

● HCl

894851-90-2 HCAPLUS
2-Propenanide, N-[(3-ethyl-2-benzofuranyl)methyl]-N-methyl-3-(2,3,4,5-terahydro-3,3-dimethyl-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, hydrochloride (1:1), [2E)- (CA INDEX NAME)

894851-97-9 HCAPLUS
2-Propenamide, N-medtyl,-N-((3-methyl-2-benzofuranyl)methyl)-3-(2,3,4,5-tetrahydro-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, hydrochloride
(1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

127 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)

● HCl

894851-55-9 HCAPLUS 2-Propenantde, 3-[(94R]-7,8,9,9a,10,11-hexahydro-10-oxo-5H-pyrido[2,3-e)pyrrolo[1,2-a][1,4]ditarepin-3-yl]-N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-). Double bond geometry as shown.

● HCl

Double bond geometry as shown.

● HCl

894851-80-0 HCAPLUS
2-Propenanide, N-[(3-ethyl-2-beniofuranyl)methyl]-N-methyl-3-(2,3,4,5-betrahydro-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, hydrochloride
(1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

127 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

894852-25-6 HCAPLUS
2-Propenantide, N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-3-(2,3,4,5-ternalyr-3-oxe-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

● HCl

894852-32-5 HCAPLUS
2-Propenamide, N-methyl-N-((2-methyl-3-benzofuranyl)methyl)-3-(2,3,4,5-ternahydro-4-methyl-3-oxo-1H-pyrido(2,3-e)-1,4-diarepin-7-yl)-,hydrochloride (1:1), (2E)- (CA INDEX NAME)

894852-35-8 HCAPLUS
2-Propenanide, N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-3-(2,3,4,5-tertahydro-4-methyl-3-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl]-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

127 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on SIN (Continued)

• HCl

894852-45-0 RCAPLUS 2-Propenanide, N=[(3-chloro-2-benzofuranyl)methyl]-N-methyl-2-(2,3,4,5-tetrahydro-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, monohydrochloride, (2E)- (9C1) (CA INDEX NAME)

● HCl

894852-90-5 HCAPLUS
2-Propenantide, N-methyl-N-[(3-methyl-2-benrofuranyl)methyl]-3-(2,3,4,5-ternalydro-2-oxc-4-phenyl-1H-pyrido[2,3-e]-1,4-diarepin-7-yl]-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

L27 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on SIN Double bond geometry as shown.

894851-89-9 HCAPLUS 2-Propenanide, N-methyl-N-{(3-propyl-2-benzofuranyl)methyl}-3-(2,3,4,5-tertahydro-3,3-dimethyl-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, (2E)-(CA INDEX NAME)

Double bond geometry as shown.

RN CN

 $894851-92-4 \quad HCAPLUS \\ 2-Propenamide, \quad N=((3-ethyl-2-benzofuranyl)methyl)-N=methyl-3-(2,3,4,5-terrahydro-3,3-dimethyl-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, \quad (2E)-(CA INDEX NAME)$ 

894851-99-1 HCAPLUS
2-Propenanide, N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-3-(2,3,4,5-tetrahydro-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl)-, (2E)- (CA INDEX NAME)

Double bond geometry as shown.

L27 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN CRN 894853-52-2 CMF C23 H24 N4 O3 (Continued)

CRN 76-05-1 CMF C2 H F3 02

II 894851-76-4P 894851-82-3P, (S)-N-[(3-Ethylbenzofuran-2-yllmothyl]-N-methyl-3-(2-0x0-2,3,4,5-tetrahydro-H-pyrido[2,3-(E]-3-(3,3-0)methyl-2-0x0-2,3,4,5-tetrahydro-H-pyrido[2,3-e][1,4]diarepin-7-yll-3-methyl-N-(1-2-pyr)benzofuran-2-yll methyl-2-propenamide 894851-92-4P, (E)-3-(3,3-0)methyl-2-0x0-2,3,4,5-tetrahydro-H-pyrido[2,3-e][1,4]diarepin-7-yll-3-methyl-N-(1-3-yll-3

Double bond geometry as shown.

894851-82-2 HCAPLUS
2-Propenamide, N-[(3-ethyl-2-benzofuranyl)methyl]-N-methyl-3-(2,3,4,5-tetrahydro-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, (2E)- (CA INDEX

ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN 2004:799437 HCAPLUS 141:314353 Compositions comprising multiple antibiotic agents including a FabI inhibitor, methods of using the same, and preparation of the heterocycle FabI inhibitors Berman, Judd Mr.; Schmid, Molly B.; Mendlein, John D.; Kaplan, Nachum Affinum Pharmaceuticals, Inc., Can. CODEN: DIXXU2 PAE-01.

LA	English CNT 2																
FAN.	PATENT :					APPLICATION NO.											
PI	WO2004082586						2004			2004	WO-I	20040317					
	W02004082586																
	W:	AE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
							DE,										
		GE,	GH,	GM,	HR,	НU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	ΚZ,	LC,
		LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NI,
							PL,										
		TJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	2W
	RW:						MW,										
							TJ,										
							HU,										
				BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,
		TD,															
	CA2519429 EP1608377								2004CA-2519429								
						A2 20051228											
	R:						ES,										
				LT,			RO,										
	JP20065	T 20061012															
	U52006142265									2005	US-0	20050919					
PRAI					P		2003										
	2003US-476970P					2003											
	2003US-488379P						2003										
	2004WO-IB01261						2004	0317									
os	MARPAT 141:314353																

The invention is directed to antibacterial compns. comprising an NADH (or NADPH)—dependent encyl—acyl carrier protein (ACP) reductase (FabI, previously designated Env8) inhibitor of formula (Y1)=A-CH(R1)-NRICO-L-R2 (I) and at least one other antibolici/antibacterial agent (L= alky).

(Un jubritimed bloylic betweenayl) of a-12 atoms or a tricyclic ting of 12-16 atoms, containing 1-4 betworatoms selected from N. S. and O; R1 = cyclo/alkyl, alk/aryl; R2 = heterocyclyl; a = 0-4; Y1 = -CH2)n-CO-NRHS; R4 = water solubiliting group; R5 = R, cyclo/alkyl; n = 0-4]. The antibacterial composition exhibits a synergistic antibacterial effect compared to its individual components. Thus, reacting 7-Brono-3, 3-dimethyl-1,3,4,5-tetrahydropyrido[2,3-e][1,4]diazepin-2-one (preparation given) with h-Methyl-R-(J-methyl-horo)[b|titolphera-Z-y]]methyl]acrylands (preparation concentration) < 0.125 gg/ml, and an ICSO < 10 mM. (Minimal inhibitory concentration) < 0.125 gg/ml, and an ICSO < 10 mM. (Minimal inhibitory concentration) < 0.125 gg/ml, and an ICSO < 10 mM. (Minimal inhibitory concentration) < 0.125 gg/ml, and an ICSO < 10 mM. (Minimal inhibitory concentration) < 0.125 gg/ml, and an ICSO < 10 mM. (Minimal inhibitory concentration) < 0.125 gg/ml, and an ICSO < 10 mM. cyslolic selected I minimal inhibitory concentration (0.125 gg/ml, and and protein cyslolic selected inhibitory concentration) < 0.125 gg/ml, and an ICSO < 10 mM. cyslolic selected inhibitory concentration (0.125 gg/ml, and and protein cyslolic selected inhibitory concentration) < 0.125 gg/ml, and an ICSO < 10 mM. cyslolic selected inhibitory concentration of the cyslolic selected inhibitory cyslolic selected inhibitory cyslolic selected inhibitory cyslolic selected inhib

(Uses)
(bactericide; compns. comprising multiple antibiotic agents and prepn. of heterocycle FabI inhibitor)
709651-33-2 KCAPLUS
2-Propenamide, N-(2-benrofusnylmethyl)-N-methyl-3-(2,3,4,5-tetrahydro-4-methyl-2-ox-1H-pyrido(2,3-e)-1,4-diarepin-7-yl)-, monohydrochloride,
(2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

## • HCl

 $\label{eq:continuous} $$ 709651-48-9$ $$ RCAPLUS$ $$ 2-Propenamide, $N-methyl-N-{(3-methyl-2-benrofuranyl)methyl}-3-(2,3,4,5-ternalyro-4-methyl-2-exc-1H-pyrido[2,3-e]-1,4-diarepin-7-yl]-, $$ monohydrochloride, $(2E)-(9CI)$ $$ (CA INDEX NAME)$ $$ $$$ 

Double bond geometry as shown.

### • HCl

709651-53-6 HCAPLUS 2-Propenantie, N-methyl-N-[(2-methyl-3-benrofuranyl)methyl]-3-(2,3,4,5-ternahyd-4-methyl-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl]-, monohydrochloride, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

L27 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2007 ACS on SIN

127 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2007 ACS on SIN (Continued)

● HCl

709651-82-1 HCAPLUS 2-Propenanide, N-methyl-N-((3-methyl-2-benzofuranyl)methyl)-3-[2,3,4,5-tetrahydro-4-[3-(4-morpholinyl)propyl)-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl]-, mononydrochloride, (2E)- (9CI) (CA INDEX NAME)

● HCl

 $\label{eq:continuous} \begin{tabular}{llll} 709651-85-4 & HCAPLUS \\ 2-Propenanide, & N-methyl-N-[(2-methyl-3-benrofuranyl)methyl]-3-[2,3,4,5-tetrahydro-d-[3-(4-morpholinyl)propyl]-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl]-, monohydrochloride, (2E)-(9CI) (CA INDEX NAME) \\ \end{tabular}$ 

• HCl

 $\label{eq:continuous} $$ 09652-79-9$$ $$ HCAPLUS $$ 2-Propenantide, $N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-3-(2,3,4,5-ternahydro-3,3-dimethyl-2-oxo-lH-pyrido[2,3-e]-1,4-diarepin-7-yl)-, (2E)-(CA INDEX NAME) $$$ 

```
1.27 ANSMER 5 OF 5 HCAPLUS COPYRIGHT 2007 ACS ON STN
AN 2004:515512 HCAPLUS
N 141:71572
TI Preparation of heterocyclic compounds as antibacterial agents
H Berman, Judg's Sampson, Peter; Pauls, Heinz W.; Ramnauth, Jailall; Manning,
David Douglas; Suzman, Matthew David; Xie, Dejian; Decornez, Helene Yvonne
PA Affinium Pharmaceuticals, Inc., Can.
SO RCT Int. Appl.. 223 pp.
TO PATE TO THE PRINCE OF THE PART OF THE 
            PI W02004052890
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PRAI

Date to English
CONTI I
CONTI

(Uses)
(preparation of heterocyclic compds, as enoyl-acyl carrier protein reductase Fabl inhibitors and antibacterial agents)
709651-33-2 ROZBLUS

L27 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2007 ACS on SIN (Continued)

CN 2-Propenanide, N-(2-benrofuranylmethyl)-N-methyl-3-(2,3,4,5-tetrahydro-4-methyl-2-xxo-1H-pytido[2,3-e]-1,4-diazepin-7-yl)-, monohydrochloride,

(ZE) (9CI) (CA INDEX NAME)

Double bond geometry as shown.

## ● HCl

 $\label{eq:continuous} \begin{tabular}{llll} 709651-48-9 & HCAPLUS & 2-Propenanide, N-methyl,-N-{(3-methyl-2-benrofuranyl)methyl}]-3-{(2,3,4,5-terahydro-4-methyl-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl}-, monohydrochloride, (2E)-(9CI) & (CA INDEX NAME) & (CA IND$ 

Double bond geometry as shown.

 $\label{eq:continuous} $$709651-53-6$$ HCAPLUS $$2-Propenanide, N-methyl,^a-{(2-methyl-3-benrofuranyl)methyl}_{-3-co-1H-pyrido}(2,3-e)-1,4-diarepin-7-yl]-, $$monbydrochloride, (2E)- (9CI) (CA INDEX NAME)$$$ 

709651-82-1 HCAPLUS 2-Propenamide, N-methyl-N- $\{(3-methyl-2-benzofuranyl)methyl\}-3-[2,3,4,5-methyl-3-1]$ 

L27 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued) (CA INDEX NAME)

Double bond geometry as shown.

L27 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2007 ACS on SIN (Continued) tetrahydro-4-(3-(4-morpholinyl)propyl)-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl]-, monohydrochloride, (22)- (9CT) (CA INDEX NAME)

Double bond geometry as shown.

## • HCl

 $\label{eq:continuous} \begin{tabular}{llll} 709651-85-4 & HCAPLUS & 2-Propenanide, N-methyl-N-[(2-methyl-3-benrofuranyl)methyl]-3-[2,3,4,5-tetrahydro-4]-3-(4-morpholinyl)propyl]-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl]-, monohydrochloride, (2E)- (9CI) (CA INDEX NAME) & (CA INDEX$ 

Double bond geometry as shown.

709652-77-7 RCAPLUS 2-Propenanide, N-methyl-N-[(3-methyl-2-benrofuranyl)methyl]-3-(2,3,4,5-tertahydro-3,3-dimethyl)-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl)-, hydrochloride (1:11, <math>(2E)- (CA INDEX NAME)

Double bond geometry as shown.

### • HCl

709652-79-9 HCAPLUS 2-Propenamide, N-methyl-N- $\{(3-\text{methyl-}2-\text{benrofuranyl}) \text{methyl}\}$ -3- $\{2,3,4,5-\text{tetrahydro-}3,3-\text{dimethyl-}2-\text{oxo-}18-\text{pyrido}\{2,3-\text{e}\}-1,4-\text{diarepin-}7-\text{yl}\}-,$  (2E)-

=> b uspatall FILE 'USPATFULL' ENTERED AT 16:37:09 ON 28 NOV 2007 CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 16:37:09 ON 28 NOV 2007 CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 16:37:09 ON 28 NOV 2007 CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

=> d bib abs hitstr 129 tot

ARSWER 1 OF 2 USPATFULL ON STN
2006:215750 USPATFULL,
Heterocyclic compounds, Machaols of making them and their use in therapy
Heterocyclic compounds, Mankha
Heterocyclic compounds, Mankha
Heales, Heinz M., Ontario, CANADA
Pauls, Heinz M., Ontario, CANADA
Pauls, Heinz M., Ontario, CANADA
Douglas, David, Manning, NY, UNITED STATES
Surman, Matthew David, Albany, NY, UNITED STATES
Xie, Dejian, Glemmount, NY, UNITED STATES
Xie, Dejian, Glemmount, NY, UNITED STATES
Affinium Pharmaceuticals, Inc., Joronto, ON, CANADA, M5JIV6 (non-U.S.
Affinium Pharmaceuticals, Inc., Joronto, ON, CANADA, M5JIV6 (non-U.S.
Affinium Pharmaceuticals, Inc., Joronto, ON, CANADA, M5JIV6 (non-U.S.
200600183798 Al 20061017
2003WG-000337074 Al 20061017
2003WG-000038706 20031205
20060327 PCT 371 date
1
2002US-000431406P 20012266 (60)
10111157

2003US-00046588P 20030423 (60)

URLIVE APPLICATION
APPLICATION
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APPLICATION
BLUD, BOSTON, MA, 02110, US
CLMN Number of Claims: 49
ECL Exemplary Claim: 1
BLUD, BOSTON, MA, 02110, US
CLMN NUMBER OF CLAIM: 1
BLUD, BOSTON, MA, 02110, US
CLMN NUMBER OF CLAIM: 1
BLUD, BOSTON, MA, 02110, US
CLMN NUMBER OF CLAIM: 1
BLUD, BOSTON, MA, 02110, US
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB In part, the present invention is directed to antibacterial compounds of formula (I) wherein A is a bicyclic heteroaryl ring or a tricyclic ring and R. sub. 2 is an heterocyclic residue; L is a bond, or L is alkyl, alkenyl or cycloalkyl. ##STRI##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 709651-33-2P 709651-48-9P 709651-53-6P 709651-82-1P 709651-85-4P 709652-77-7P 709652-79-9P

709652-79-9P
(preparation of heterocyclic compds. as enoyl-acyl carrier protein reductase Fabt inhibitors and antibacterial agents)
709651-33-2 USDATPUL
2-Propenanide, N-(2-benzofuranylmethyl)-N-methyl-3-(2,3,4,5-tetrahydro-4-methyl-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl)-, monohydrochloride,
(2E)- (SCI) (CA INDEX NAME)

Double bond geometry as shown.

### • HCl

709651-48-9 USPATFULL
2-Propenantde, N-methyl-N-((3-methyl-2-benzofuranyl)methyl]-3-(2,3,4,5-tetrahydro-4-methyl-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl]-, monohydrochloride, (28)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

129 ANSWER 1 OF 2 USPATFULL on SIN

## ● HCl

709652-77-7 USPATFULL 
2-Propenanide, N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-3-(2,3,4,5-tetrahydro-3,3-dinethyl-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-,hydrochloride (1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

## • HCl

709652-79-9 USPATFULL
2-Propenantde, N-methyl-N-{(3-methyl-2-benzofuranyl)methyl]-3-(2,3,4,5-tetrahydro-3,3-dimethyl-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl)-, (2E)- (CA INDEX NAME)

Double bond geometry as shown.

(Continued) 129 ANSWER 1 OF 2 USPATFULL on STN

### • HCl

709651-53-6 USPATFULL
2-Propenamide, N-methyl-N-((2-methyl-3-benrofuranyl)methyl)-3-(2,3,4,5tetrahydro-4-methyl-2-coxo-HF-pyrido(2,3-e)-1,4-diarepin-7-yl)-,
monohydrochloride, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

## • HCl

709651-82-1 USPATFULL
2-Propenamide, N-methyl-N-[(3-methyl-2-benrofuranyl)methyl]-3-[2,3,4,5-tetrahydro-4-[3-(4-morpholinyl)propyl]-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl]-, monohydrochloride, (2E)- (9CI) (CA INDEX NAME)

709651-85-4 USPATFULL
2-Propenanide, N-methyl-N-[(2-methyl-3-benzofuranyl)methyl]-3-[2,3,4,5-tetrahydro-4-[3-(4-norpholinyl)propyl]-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl]-, monohydrochloride, (2E)- (9CI) (CA INDEX NAME)

L29 ANSMER 2 OP 2 USPATFULL ON 5TN

N 2006:187754 USPATFULL

TI Compositions comprising multiple bioactive agents, and methods of using the same

IN Berman, Judd M., Toronto, CANADA
Schmid, Molly B., Toronto, CANADA
Schmid, Molly B., Toronto, CANADA
A Finium Pharmaceuticals, Inc., Toronto, CANADA
A Affinium Pharmaceuticals, Inc., Toronto, CANADA (non-U.S. corporation)
PI US-20060142265 Al 20060629
Al 200509-00231298 Al 20050919 (11)
RLI Continuation-in-part of Ser. No. 2004W0-IB0001261, filed on 17 Mar 2004,
PRAI 2003US-000488979 2003030718 (60)
2003US-000488979P 2003030718 (60)
DI Utility
FA APPLICATION
LURB POLET MOAG, LLD, PATENT GROUP, WORLD TRADE CENTER WEST, 155 SEAPORT
LURB NUMBER OF Claims; A. 2310, US
ECL. Exemplary Claim: 1
ECL. Exemplary Claim: 1
AB IT part, the present invention is directed to compositions comprising a
AB TIP part, the present invention is directed to compositions comprising a
the present invention is directed to actioate appet. In another part,
the present invention is directed to antibacterial compositions comprising a
comprising a compound of formulas I-III and at least one other
antibacterial agent.

antipacterial agent.

CAS INDEXING 15 AVAILABLE FOR THIS PATENT.

IT 7098527-9-9P, (8|-3-(3,3-Dimethyl-2-oxo-2,3,4,5-tetrahydro-1H-prido(2,3-2), (1,3-(1),3-1), (1,3-

Double bond geometry as shown

IT 709651-33-2P, (E)-H-|(Benrofuran-2-yl)methyl)-N-methyl-3-(4-methyl-2-oxo-2,3,4,5-tetrahydro-1H-pyrido[2,3-e][1,4]diarepin-7-yl)-2-properamide monohydrochloride 709651-48-9P, (E)-N-Methyl-N-(2-methyl)-2-(4-methyl)-2-(2-oxo-2,3,4,5-methyl)-2-(4-methyl-2-oxo-2,3,4,5-methyl-2-(4-methyl-2-oxo-2,3,4,5-methyl-2-properamide monohydrochloride 709651-53-6P, (E)-N-Methyl-N-(2-methyl-2-oxo-1)-(2,3-e][1,4]diarepin-7-yl)-2-properamide monohydrochloride 709651-82-1P, (E)-N-Methyl-N-(3-methyl-2-oxo-2,3,4,5-tetrahydro-1H-pyrido[2,3-e][1,4]diarepin-7-yl)-2-propenamide monohydrochloride 709651-82-1P, (E)-N-Methyl-N-(2-methyl-2-oxo-1)-3-yl-methyl)-3-[4-(3-methyl-2-oxo-1)-3-yl-methyl)-3-(4-(3-methyl-2-oxo-1)-3-yl-methyl)-3-(4-(3-methyl-3-1)-3-yl-methyl)-3-(4-(3-methyl-3-1)-3-yl-methyl)-3-(4-(3-methyl-3-1)-3-yl-methyl)-3-(4-(3-methyl-3-1)-3-yl-methyl)-3-(4-(3-methyl-3-1)-3-yl-methyl-3-(2-3-yl-methyl-3-1)-3-yl-methyl-3-(3-3-yl-methyl-3-1)-3-yl-methyl-3-(3-3-yl-methyl-3-1)-3-yl-methyl-3-(3-3-yl-methyl-3-3-yl-methyl-3-(3-3-yl-methyl-3-yl-methyl-3-(3-3-yl-methyl-3-yl-methyl-3-(3-3-yl-methyl-3-yl-methyl-3-(3-3-yl-methyl-3-yl-methyl-3-yl-methyl-3-(3-3-yl-methyl-3-yl-methyl-3-yl-methyl-3-(3-3-yl-methyl-3-yl-methyl-3-yl-methyl-3-yl-methy

Double bond geometry as shown.

### ● HCl

709651-48-9 USPATFULL
2-Propenantide, N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-3-(2,3,4,5-tetrahydro-4-methyl-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl]-, monohydrochloride, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

### • HCl

709651-53-6 USPATFULL 2-Propenanide, N-methyl-N-((2-methyl-3-benrofuranyl)methyl)-3-(2,3,4,5-tetrahydro-4-methyl-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl)-, monohydrochloride, (2B)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

L29 ANSWER 2 OF 2 USPATFULL on STN

## ● HCl

894851-54-8 USPATFULL
2-Propenamide, 3-[(9a5)-7,8,9,9a,10,11-hexahydro-10-oxo-5H-pyrido[2,3-e)pyrido[1,2-a][1,4]diazepin-3-yl]-N-methyl-N-[(3-methyl-2-benrofuranyl)methyl]-, hydrochloride (1:1), (2E)- (CK INDEX NAME)

Absolute stereochemistry. Rotation (+). Double bond geometry as shown.

# • HCl

894851-55-9 USPATFULL
2-Properamide, 3-{9aR}-7,8,9,9a,10,11-hexahydro-10-oxo-5H-pyrido[2,3-e]pyrido[1,2-a][1,4|diarepin-3-yl]-N-methyl-N-{(3-methyl-2-benrofuranyl)methyl]-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-). Double bond geometry as shown.

## • HCl

894851-73-1 USPATFULL
2-Propenamide, N-methyl-N-((3-methyl-2-benrofuranyl)methyl)-3-(1',2',4',5'-tetrahydro-2'-oxospiro(cyclopentane-1,3'-[3H]pyrido(2,3-e](1,4]diarepin)-7'-yli-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

L29 ANSWER 2 OF 2 USPATFULL on STN (Continued)

## ● HCl

709651-82-1 USPATFULL
2-Propenanide, N-methyl-N-((3-methyl-2-benrofuranyl)methyl)-3-(2,3,4,5-tetrahydro-4-(3-(4-morpholinyl)propyl)-2-0xo-H-pyrido(2,3-e)-1,4-diarepin-7-yl)-, monohydrochloride, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

## ● HCl

709651-85-4 USPATFULL
2-Propenamide, N-methyl-N-((2-methyl-3-benrofuranyl)methyl)-3-[2,3,4,5tetrahydro-4-[3-(4-morpholinyl)propyl)-2-oxo-1H-pyrido[2,3-e]-1,4diarepin-7-yl]-, monohydrochloride, (2E)- (9CI) (CA INDEX NAME)

709652-77-7 USPATFULL 2-Propenanide, N-methyl-N-[(3-methyl-2-benrofuranyl)nethyl]-3-(2,3,4,5-ternayloro,3,4-dimethyl-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl)-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

L29 ANSWER 2 OF 2 USPATFULL on SIN

894851-80-0 USPATFULL 2-Propenanide, N-[(3-ethyl-2-benzofuranyl)methyl]-N-methyl-3-(2,3,4,5-tetrahydro-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl)-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

# ● HCl

RN 894851-84-4 USPATFULL
CN 2-Propenanide, N-methyl-N-[(3-propyl-2-benrofuranyl)methyl]-3-(2,3,4,5-tetrahydro-3,3-diethyl-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-,
hydrochloride (1:1], (2E)- (CA INDEX NAME)

Double bond geometry as shown.

# ● HCl

894851-90-2 USPATFULL
2-Propenanide, N=((3-ethy)-2-benzofurany))methyl)-N-methyl-3-(2,3,4,5-tetahydro-3,1-dimethyl-2-oxo-1H-pyrido(2,3-e|-1,4-diazepin-7-yl)-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

L29 ANSWER 2 OF 2 USPATFULL on SIN (Continued)

● HCl

894851-97-9 USPATFULL 2-Propenantde, N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-3-(2,3,4,5-tetrahydro-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

● HCl

894852-25-6 USBATFULL
2-Propenanide, N-methyl-N-[(3-methyl-2-benrofuranyl)methyl]-3-(2,3,4,5-tetrahydro-3-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl)-, hydrochloride
(1:11), (28)- [CA INDEX NAME]

894852-32-5 USPATFULL 2-Propenanide, N-methyl-N-((2-methyl-3-benrofuranyl)methyl]-3-(2,3,4,5-terrahydro-4-methyl-3-0x0-1H-pyrido[2,3-e]-1,4-dlarepin-7-yl]-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

L29 ANSWER 2 OF 2 USPATFULL on SIN

894853-53-3 USPATFULL 2-Propenanide, N-methyl-N- $\{(3-\text{methyl}-2-\text{benzofuranyl})\text{methyl}\}-3-[(25)-2,3,4,5-\text{tetranydro}-2-\text{methyl}-3-\text{oxo}-1\text{H-pyrido}[2,3-e]-1,4-\text{diazepin}-7-yl]-, (2E)-, 2,2,2-\text{trifluoroacetate}$  (1:1) (CA INDEX NAME)

CM 1

CRN 894853-52-2 CMF C23 H24 N4 O3

Absolute stereochemistry. Double bond geometry as shown.

Double bond geometry as shown.

L29 ANSWER 2 OF 2 USPATFULL on SIN (Continued)

• HCl

894852-35-8 USPATFULL 2-Propensaide, N-methyl-N-[(3-methyl-2-benrofuranyl)methyl]-3-(2,3,4,5-tetrahydro-4-methyl-3-oxo-HH-pyrido[2,3-e]-1,4-diarepin-7-yl]-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

• HCl

RN 894852-45-0 USPATFULL
CN 2-Propenanide, N-[(3-chloro-2-benrofuranyl)methyl]-N-methyl-3-(2,3,4,5tetrahydro-2-cwo-1H-pyrido(2,3-e]-1,4-diazepin-7-yl)-,
monohydrochloride, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

• HCl

894852-90-5 USPATFULL
2-Propenanide, N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-3-(2,3,4,5-tetrahydro-2-oxo-4-phenyl-1H-pyrido[2,3-e]-1,4-diazepin-7-yl]-,
hydrochloride (1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown.

L29 ANSWER 2 OF 2 USPATFULL on SIN

894851-82-2 USPATFULL
2-Propenanide, N-|(3-ethyl-2-benzofuranyl)methyl)-N-methyl-3-(2,3,4,5-tetrahydro-2-oxo-1H-pyrido(2,3-e)-1,4-diarepin-7-yl)-, (2E)- (CA INDEX NAME)

Double bond geometry as shown.

894851-89-9 USPATFULL
2-Propenanide, N-methyl-N-[(3-propyl-2-benzofuranyl)methyl]-3-(2,3,4,5-tetrahydro-3,3-dinethyl-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-7-yl)-, (2E)- (CA INDEX NAME)

Double bond geometry as shown.

894851-92-4 USPATFULL 2-Propenanide, N=((3-ethyl-2-benzofuranyl)methyl)-N-methyl-3-(2,3,4,5-tetrahydro-3,3-dimethyl-2-oxo-1H-pyrido(2,3-e)-1,4-diazepin-7-yl)-,(2E)-(CA INDEX NAME)

894851-99-1 USPATFULL 2-Propenanide, N-methyl-N-((3-methyl-2-benzofuranyl)methyl)-3-(2,3,4,5-tetrahydro-2-oxo-1H-pyrido[2,3-e]-1,4-diarepin-7-yl)-, (2E)- (CA INDEX NAME)

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L29 ANSWER 2 OF 2 USPATFULL on STN (Continued)

Double bond geometry as shown.

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=> d his
     (FILE 'HOME' ENTERED AT 15:53:37 ON 28 NOV 2007)
     FILE 'HCAPLUS' ENTERED AT 15:53:47 ON 28 NOV 2007
              1 US20060183908/PN
     FILE 'REGISTRY' ENTERED AT 15:53:52 ON 28 NOV 2007
     FILE 'HCAPLUS' ENTERED AT 15:53:52 ON 28 NOV 2007
                                   478 TERMS
L2
                TRA L1 1- RN :
     FILE 'REGISTRY' ENTERED AT 15:53:52 ON 28 NOV 2007
L3
            478 SEA L2
T.4
             18 L3 AND OC4-C6/ES
              7 L4 AND NC5-NC2NC3/ES
L_5
L6
             35 C24H26N4O3 AND OC4-C6/ES
              3 L6 AND NC5-NC2NC3/ES
Ь7
                SEL RN 2-3
              2 E1-2 AND L7
1.8
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Ь9
     FILE 'REGISTRY' ENTERED AT 16:16:06 ON 28 NOV 2007
L10
              5 L5 NOT L8
     FILE 'HCAPLUS' ENTERED AT 16:16:24 ON 28 NOV 2007
L11
              3 L10
     FILE 'REGISTRY' ENTERED AT 16:17:11 ON 28 NOV 2007
L12
                STR
L13
             39 L12
           4856 L12 FULL
                SAV TEM J747C1/A L14
             35 L14 AND NC5-NC2NC3/ES
T.15
L16
              7 L15 AND L3
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T<sub>1</sub>17
              5 L15
L18
              4 L17 AND L9,L11
L19
              1 L17 NOT L18
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L20
            316 L14 AND NRRS>=3
L21
                STR L12
              3 L21 SAM SUB=L14
L22
             42 L21 FULL SUB=L14
L23
                SAV TEM L23 J747C1N/A
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              5 L23
T.24
L25
              4 L24 AND L9, L11
L26
              1 L24 NOT L25
              5 L9, L11, L17-19, L24-26
L27
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L28
              0 L23
     FILE 'USPATFULL, USPATOLD, USPAT2' ENTERED AT 16:34:42 ON 28 NOV 2007
L29
              2 L23
     FILE 'BIOSIS' ENTERED AT 16:35:42 ON 28 NOV 2007
T<sub>1</sub>3.0
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FILE 'EMBASE' ENTERED AT 16:35:54 ON 28 NOV 2007

FILE 'MEDLINE' ENTERED AT 16:36:01 ON 28 NOV 2007

0 T<sub>1</sub>23

L31

L32 0 L23

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